

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) An information processing apparatus comprising:
first extraction means for extracting a reproduction time from stream data;
second extraction means for extracting a reception time of said stream data;
computation means for computing a difference between said reception time and
said reproduction time; and
adjustment means for adjusting a reproduction time by:
calculating a number equal to a number of packets of stream data where
the difference between said reception time and said reproduction time is a time equivalent to one
clock cycle; and
utilizing the number to maintain less than one clock cycle maximum
between an actual reception timing and the reproduction time.
~~on the basis of said difference by adding/subtracting a time equivalent to one~~
~~clock to/from each stream data packet on which the difference is equivalent to one clock.~~

2. (Currently Amended) An information processing apparatus comprising:

first extraction means for extracting an interval of reproduction time between packets of stream data;

second extraction means for extracting an interval of reception time between packets of said stream data;

computation means for computing a difference between said interval of reproduction time and said interval of reception time; and

adjustment means for adjusting a reproduction time by:

calculating a number equal to a number of packets of stream data where the difference between said reception time and said reproduction time is a time equivalent to one clock cycle; and

utilizing the number to maintain less than one clock cycle maximum between an actual reception timing and the reproduction time. ~~on the basis of said difference by adding/subtracting a time equivalent to one clock to/from each stream data packet on which the difference is equivalent to one clock.~~

3. (Previously Presented) The information processing apparatus according to claim 2, wherein said reproduction time is a time stamp.

4. (Previously Presented) The information processing apparatus according to claim 2, further comprising:

first accumulation means for accumulating intervals of reproduction time between a predetermined number of consecutive packets of said stream data to obtain a first time; and

second accumulation means for accumulating intervals of reception time between said predetermined number of consecutive packets of said stream data to obtain a second time;

wherein said computation means computes a difference between said first time and said second time.

5. (Previously Presented) The information processing apparatus according to claim 4, further comprising:

smoothing means for smoothing said difference between said first time and said second time.

6. (Previously Presented) The information processing apparatus according to claim 5,

wherein said adjustment means adjusts reproduction time information by adding a time equivalent to one clock to said reproduction time or subtracting said time from said reproduction time for each number of packets with which said difference between said first time and said second time smoothed by said smoothing means provides a deviation equivalent to one clock.

7. (Currently Amended) An information processing method comprising the steps
of:

extracting a reproduction time from stream data;

extracting a reception time of said stream data;

computing a difference between said reception time and said reproduction time;

and

adjusting a reproduction time by:

calculating a number equal to a number of packets of stream data where
the difference between said reception time and said reproduction time is a time equivalent to one
clock cycle; and

utilizing the number to maintain less than one clock cycle maximum
between an actual reception timing and the reproduction time. ~~on the basis of said difference by
adding/subtracting a time equivalent to one clock to/from each steam data packet on which the
difference is equivalent to one clock.~~

8. (Currently Amended) An information processing method comprising the steps
of:

extracting an interval of reproduction time between packets of stream data;

extracting an interval of reception time between packets of said stream data;

computing a difference between said interval of reproduction time and said
interval of reception time; and

adjusting a reproduction time by:

calculating a number equal to a number of packets of stream data where the difference between said reception time and said reproduction time is a time equivalent to one clock cycle; and

utilizing the number to maintain less than one clock cycle maximum between an actual reception timing and the reproduction time. on the basis of said difference by adding/subtracting a time equivalent to one clock to/from each stream data packet on which the difference is equivalent to one clock.

9. (Previously Presented) The information processing method according to claim 8, wherein said reproduction time is a time stamp.

10. (Previously Presented) The information processing method according to claim 8, further comprising the steps of:

accumulating intervals of reproduction time between a predetermined number of consecutive packets of said stream data to obtain a first time; and

accumulating intervals of reception time between said predetermined number of consecutive packets of said stream data to obtain a second time;

wherein said computation step computes a difference between said first time and said second time.

11. (Previously Presented) The information processing method according to claim 10, further comprising the step of:

smoothing said difference between said first time and said second time.

12. (Previously Presented) The information processing method according to claim 11,

wherein said adjustment step adjusts reproduction time information by adding a time equivalent to one clock to said reproduction time or subtracting said time from said reproduction time for each number of packets with which said difference between said first time and said second time smoothed by said smoothing step provides a deviation equivalent to one clock.

13. (Currently Amended) A computer-readable medium storing a computer program, the program comprising the steps of:

extracting a reproduction time from stream data;

extracting a reception time of said stream data;

computing a difference between said reception time and said reproduction time;

and

adjusting a reproduction time by:

calculating a number equal to a number of packets of stream data where the difference between said reception time and said reproduction time is a time equivalent to one clock cycle; and

utilizing the number to maintain less than one clock cycle maximum
between an actual reception timing and the reproduction time, on the basis of said difference by
adding/subtracting a time equivalent to one clock to/from each stream data packet on which the
difference is equivalent to one clock.

14. (Currently Amended) A computer-readable medium storing a computer program, the program comprising the steps of:

extracting an interval of reproduction time between packets of stream data;
extracting an interval of reception time between packets of said stream data;
computing a difference between said interval of reproduction time and said

interval of reception time; and

adjusting a reproduction time by:

calculating a number equal to a number of packets of stream data where
the difference between said reception time and said reproduction time is a time equivalent to one
clock cycle; and

utilizing the number to maintain less than one clock cycle maximum
between an actual reception timing and the reproduction time, on the basis of said difference by
adding/subtracting a time equivalent to one clock to/from each stream data packet on which the
difference is equivalent to one clock.

15. (Previously Presented) The computer program according to claim 14, wherein said reproduction time is a time stamp.

16. (Previously Presented) The computer program according to claim 14, further comprising the steps of:

accumulating intervals of reproduction time between a predetermined number of consecutive packets of said stream data to obtain a first time; and

accumulating intervals of reception time between said predetermined number of consecutive packets of said stream data to obtain a second time;

wherein said computation step computes a difference between said first time and said second time.

17. (Previously Presented) The computer program according to claim 16, further comprising the step of:

smoothing said difference between said first time and said second time.

18. (Previously Presented) The computer program according to claim 17, wherein said adjustment step adjusts reproduction time information by adding a time equivalent to one clock to said reproduction time or subtracting said time from said reproduction time for each number of packets with which said difference between said first time and said second time smoothed by said smoothing step provides a deviation equivalent to one

clock.

19-24. (Canceled)